

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061516\
 Data File : BF088051.D
 Acq On : 15 Jun 2016 23:33
 Operator : UM/SJ
 Sample : PB91213TB
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB91213TB

Quant Time: Jun 16 03:10:46 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 13 14:10:49 2016
 Response via : Initial Calibration

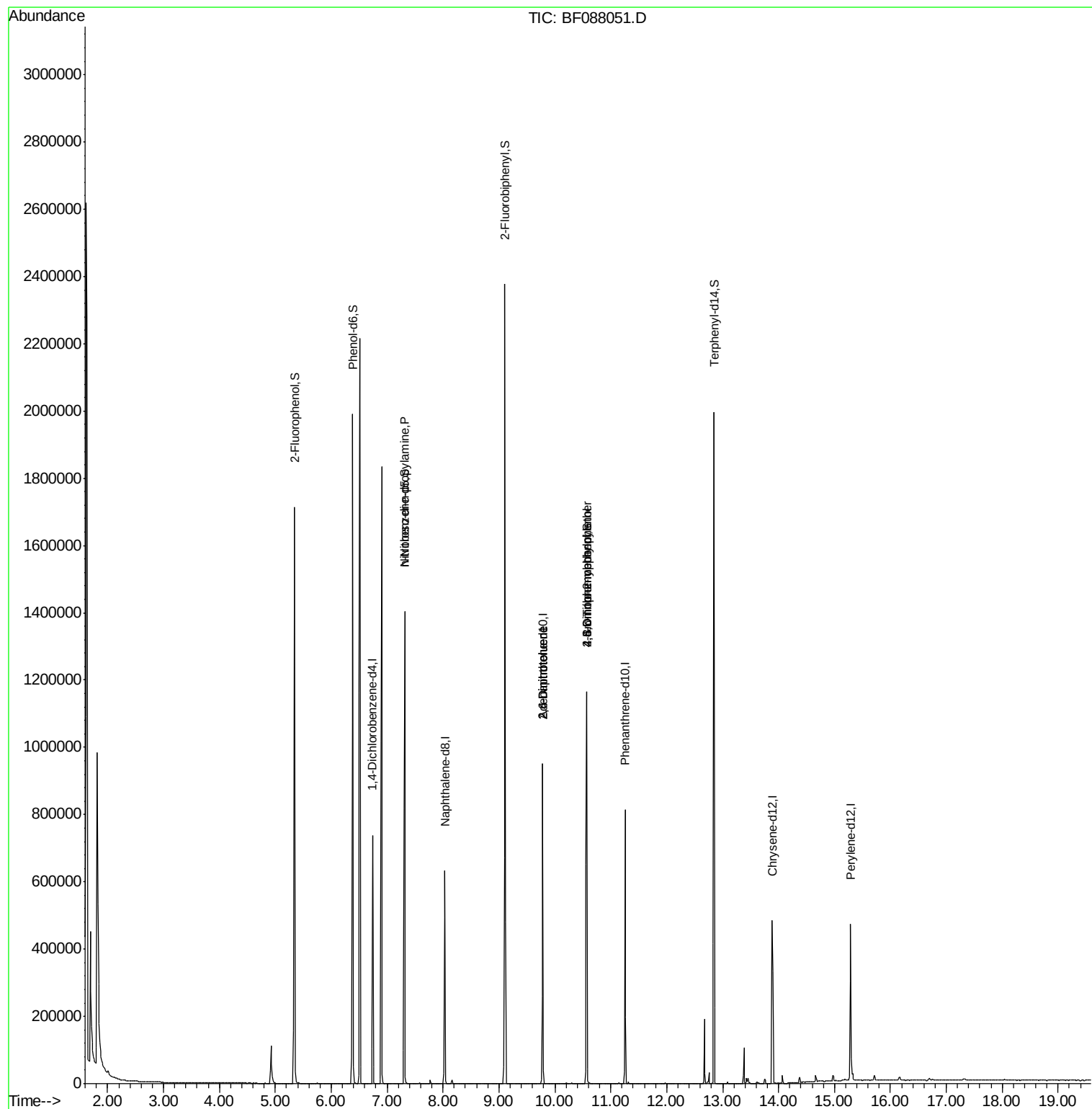
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	108560	20.00	ng	-0.05
21) Naphthalene-d8	8.03	136	420129	20.00	ng	-0.05
38) Acenaphthene-d10	9.78	164	190611	20.00	ng	-0.06
63) Phenanthrene-d10	11.26	188	293818	20.00	ng	-0.06
75) Chrysene-d12	13.89	240	212914	20.00	ng	-0.07
86) Perylene-d12	15.29	264	214324	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	737422	116.13	ng	-0.03
7) Phenol-d6	6.39	99	840672	109.24	ng	-0.05
23) Nitrobenzene-d5	7.31	82	570617	79.31	ng	-0.05
41) 2,4,6-Tribromophenol	10.57	330	165129	82.05	ng	-0.06
44) 2-Fluorobiphenyl	9.11	172	855010	69.45	ng	-0.06
78) Terphenyl-d14	12.85	244	597161	63.82	ng	-0.06
Target Compounds						
10) Phenol	6.51	94	1347	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.31	70	74413	15.11 ng	#	69
45) 1,1'-Biphenyl	9.11	154	1387	Below Cal	#	1
50) 2,6-Dinitrotoluene	9.78	165	24186	7.65 ng	#	39
56) 2,4-Dinitrotoluene	9.78	165	24187	5.95 ng	#	37
57) Fluorene	10.57	166	8973	Below Cal	#	90
64) 4,6-Dinitro-2-methylphenol	10.57	198	286	2.31 ng	#	26
66) 4-Bromophenyl-phenylether	10.57	248	11163	3.54 ng	#	1

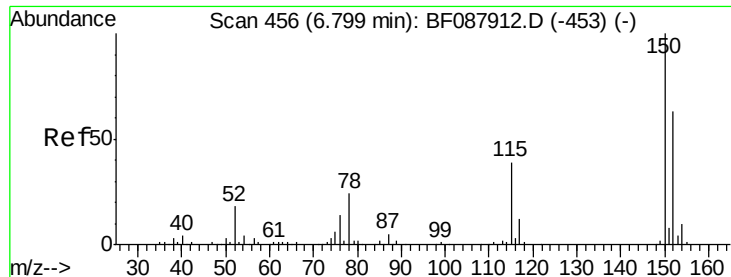
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 451

Delta R.T. -0.05 min

Lab File: BF088051.D

Acq: 15 Jun 2016 23:33

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BNA_F

ClientSampleId :

PB91213TB

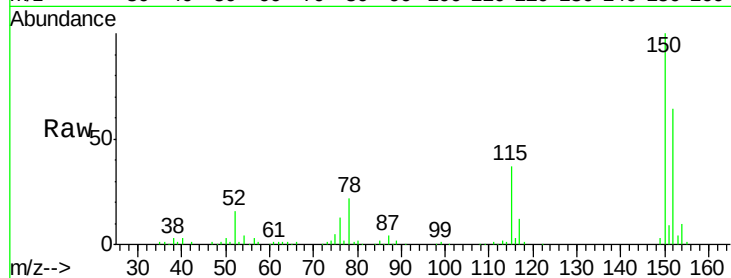
Tgt Ion:152 Resp: 108560

Ion Ratio Lower Upper

152 100

150 156.9 123.8 185.6

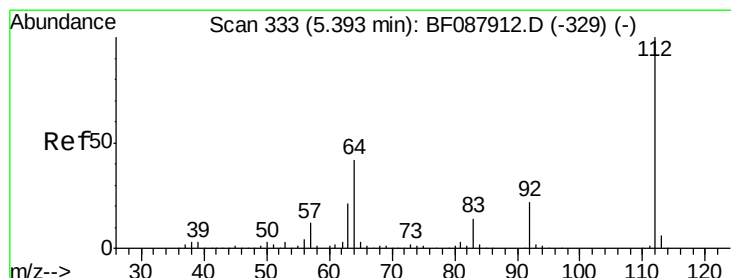
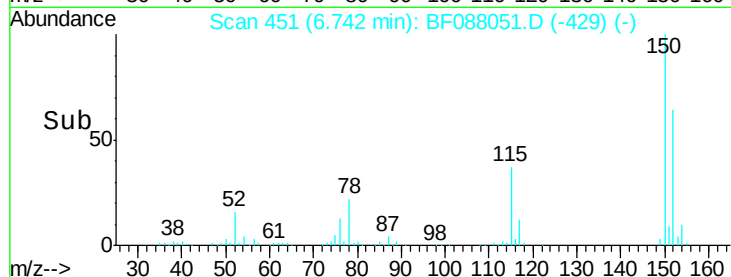
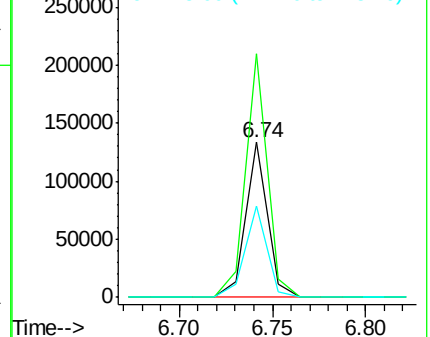
115 58.5 39.6 59.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 116.13 ng

RT: 5.35 min Scan# 329

Delta R.T. -0.03 min

Lab File: BF088051.D

Acq: 15 Jun 2016 23:33

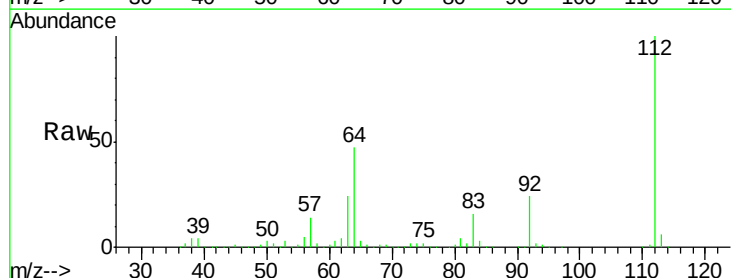
Tgt Ion:112 Resp: 737422

Ion Ratio Lower Upper

112 100

64 47.1 42.2 63.2

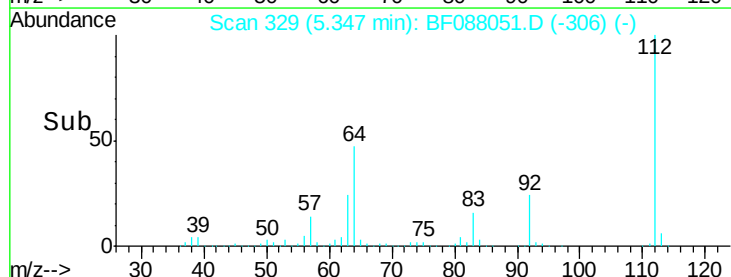
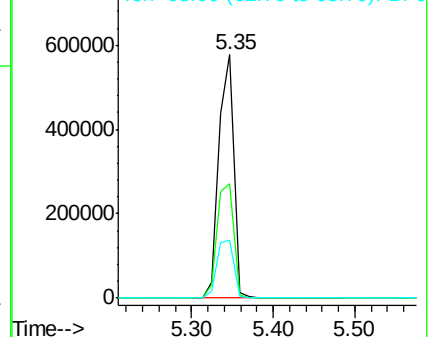
63 24.0 21.8 32.8

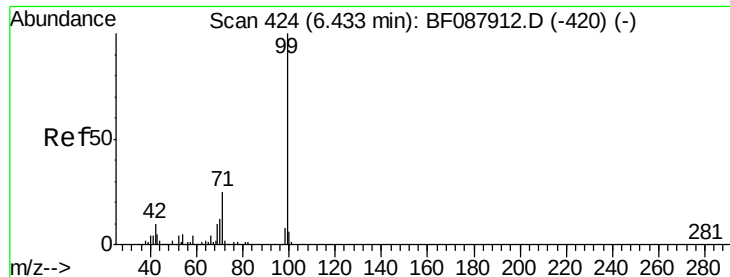


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 109.24 ng

RT: 6.39 min Scan# 420

Delta R.T. -0.05 min

Lab File: BF088051.D

Acq: 15 Jun 2016 23:33

Instrument :

BNA_F

ClientSampleId :

PB91213TB

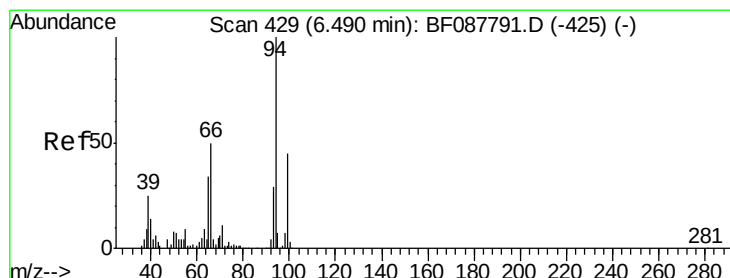
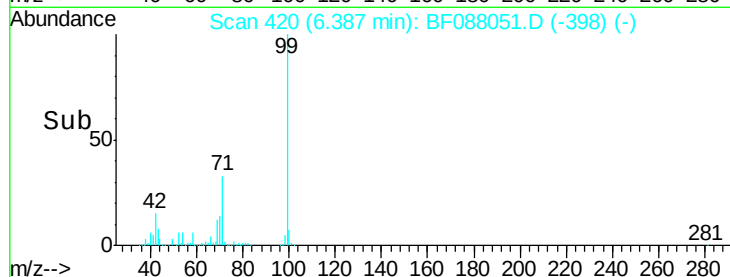
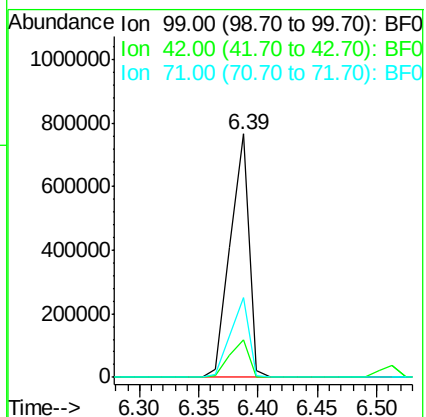
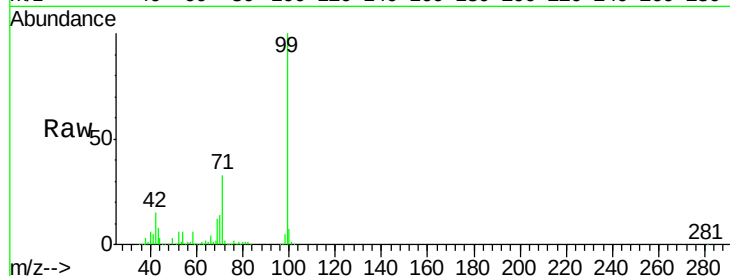
Tgt Ion: 99 Resp: 840672

Ion Ratio Lower Upper

99 100

42 15.3 12.2 18.2

71 32.9 23.4 35.0



#10

Phenol

Concen: Below Cal

RT: 6.51 min Scan# 431

Delta R.T. 0.07 min

Lab File: BF088051.D

Acq: 15 Jun 2016 23:33

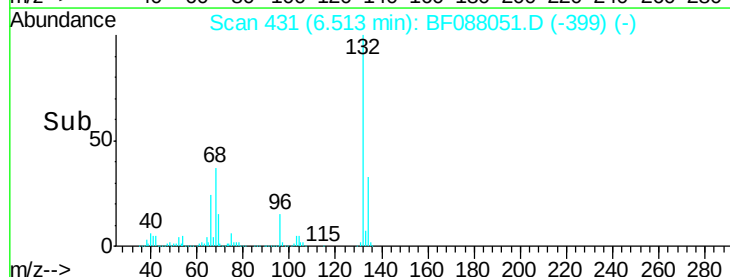
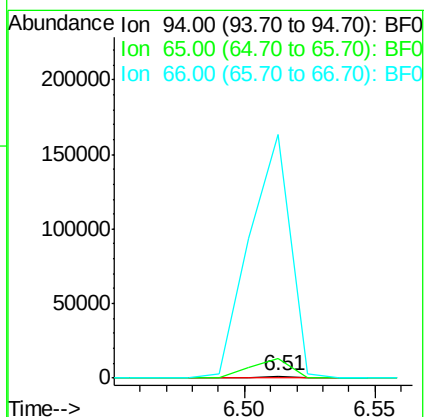
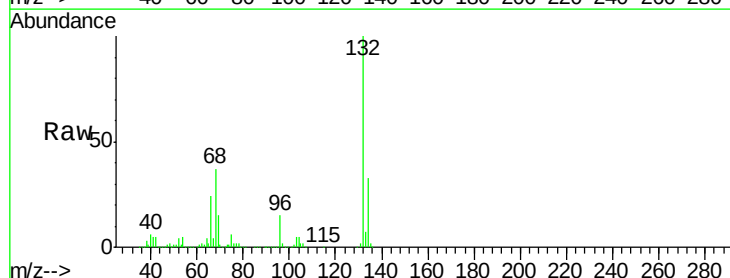
Tgt Ion: 94 Resp: 1347

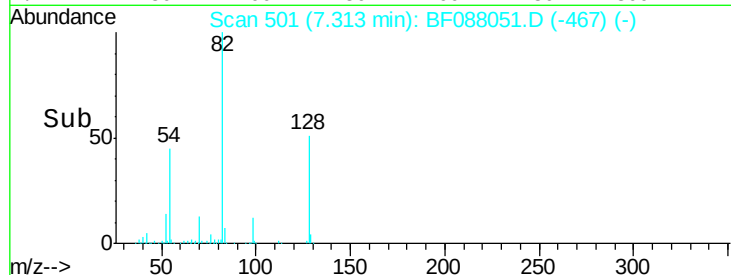
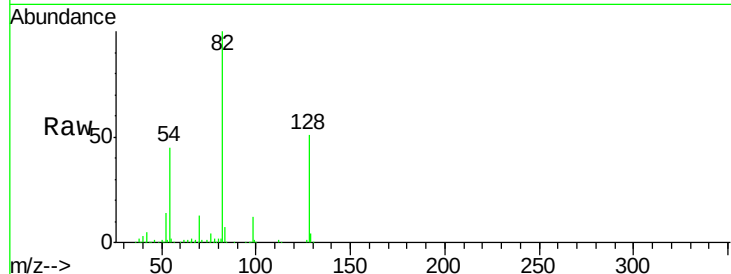
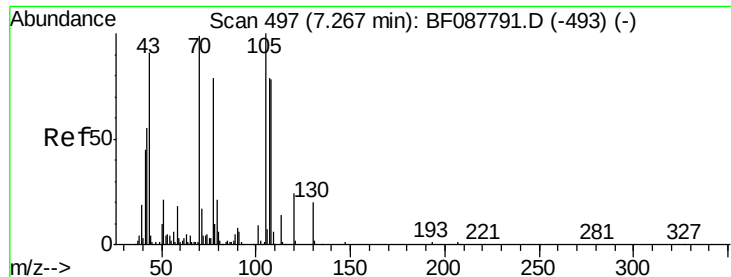
Ion Ratio Lower Upper

94 100

65 1039.1 5.9 45.9#

66 12549.1 14.0 54.0#

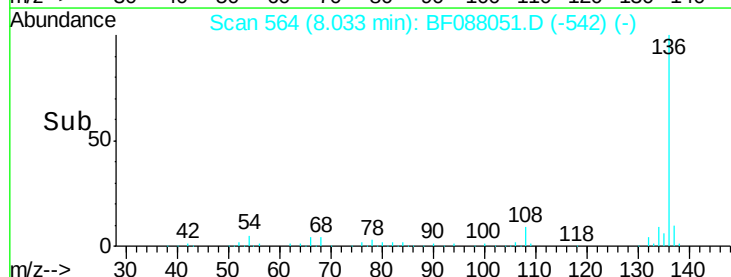
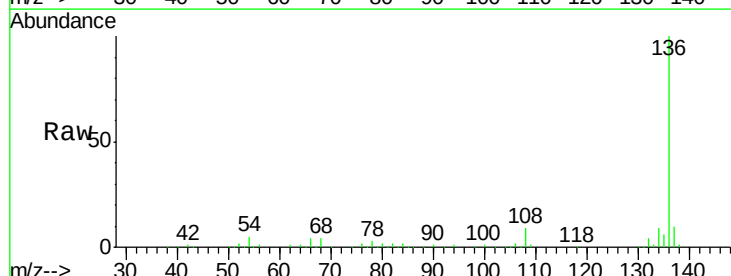
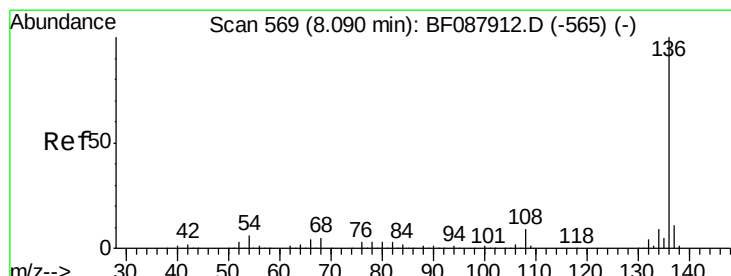
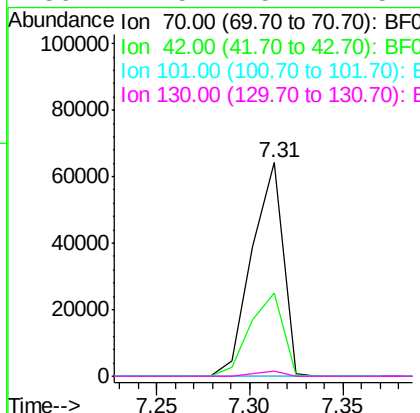




#19
n-Nitroso-di-n-propylamine
Concen: 15.11 ng
RT: 7.31 min Scan# 501
Delta R.T. 0.09 min
Lab File: BF088051.D
Acq: 15 Jun 2016 23:33

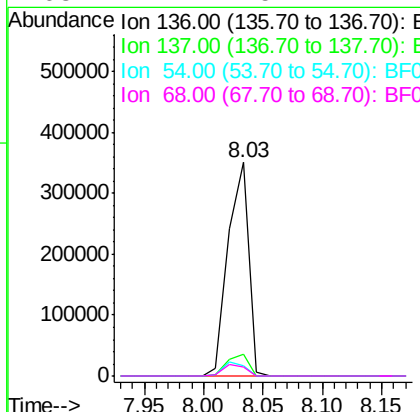
Instrument :
BNA_F
ClientSampleId :
PB91213TB

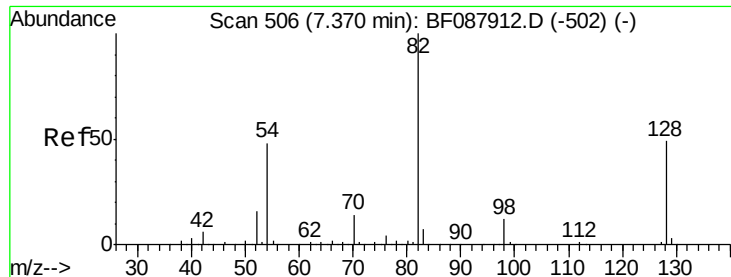
Tgt Ion: 70 Resp: 74413
Ion Ratio Lower Upper
70 100
42 39.2 49.6 74.4#
101 0.0 7.1 10.7#
130 2.5 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.03 min Scan# 564
Delta R.T. -0.05 min
Lab File: BF088051.D
Acq: 15 Jun 2016 23:33

Tgt Ion: 136 Resp: 420129
Ion Ratio Lower Upper
136 100
137 10.5 9.1 13.7
54 5.0 6.6 10.0#
68 4.4 5.1 7.7#

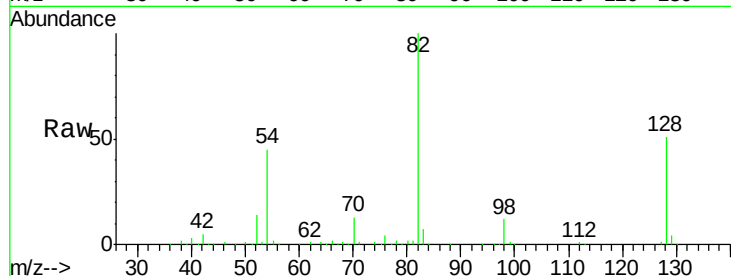




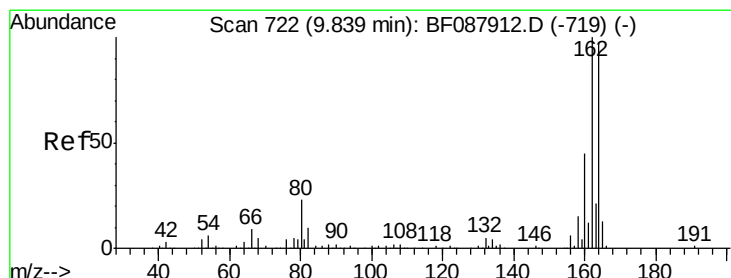
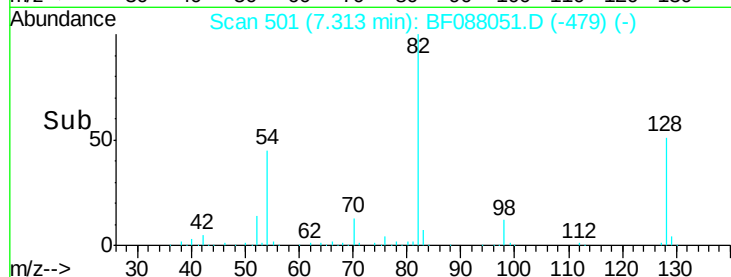
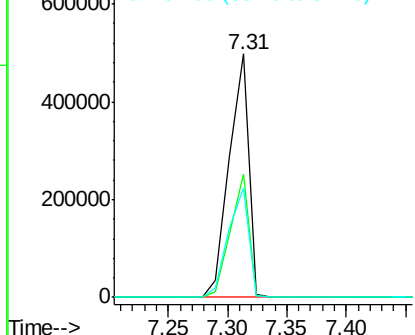
#23
Nitrobenzene-d5
Concen: 79.31 ng
RT: 7.31 min Scan# 501
Delta R.T. -0.05 min
Lab File: BF088051.D
Acq: 15 Jun 2016 23:33

Instrument :
BNA_F
ClientSampleId :
PB91213TB

Tgt Ion: 82 Resp: 570617
Ion Ratio Lower Upper
82 100
128 50.5 35.9 53.9
54 44.6 40.9 61.3

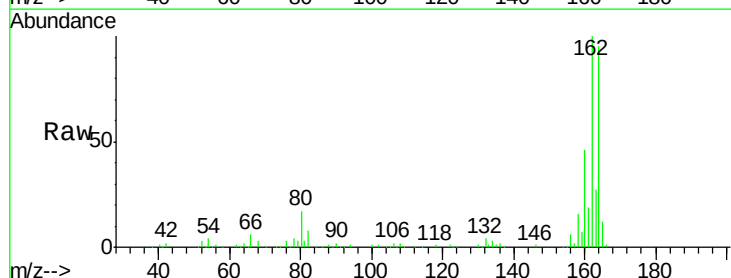


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

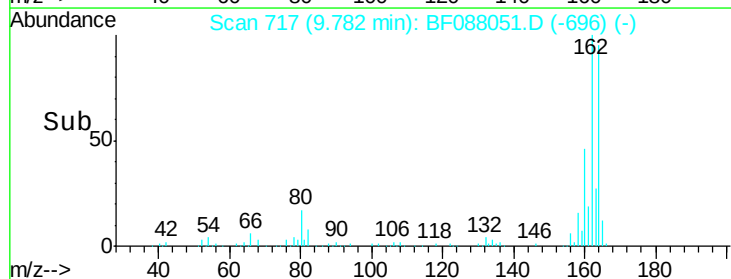
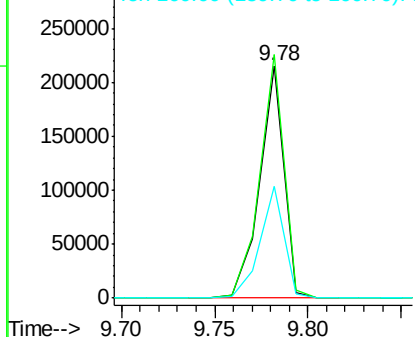


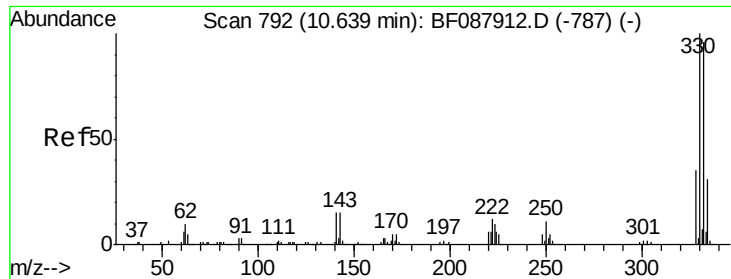
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.78 min Scan# 717
Delta R.T. -0.06 min
Lab File: BF088051.D
Acq: 15 Jun 2016 23:33

Tgt Ion: 164 Resp: 190611
Ion Ratio Lower Upper
164 100
162 104.8 85.4 128.2
160 48.2 39.5 59.3



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

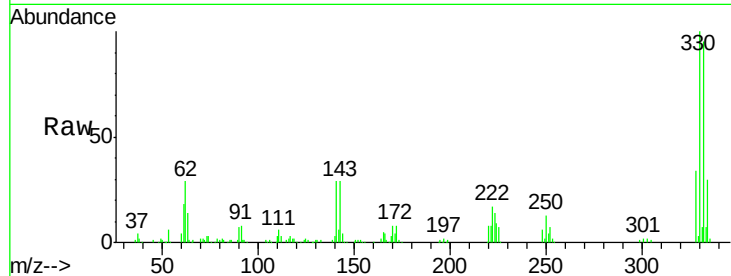




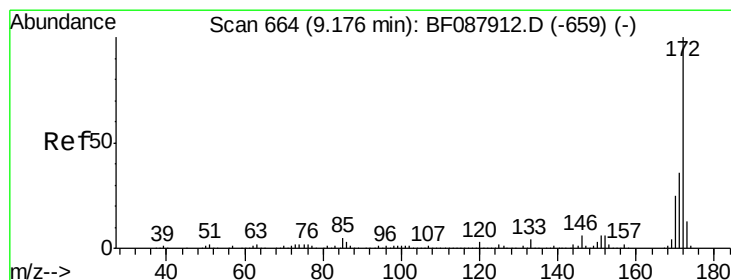
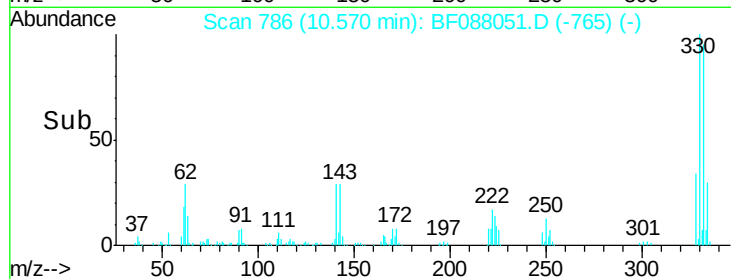
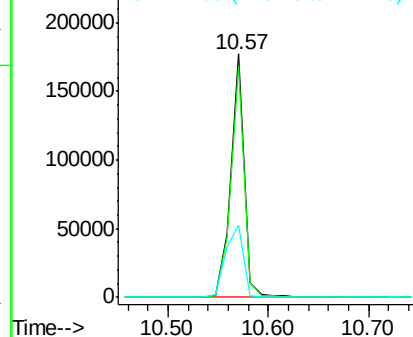
#41
 2,4,6-Tribromophenol
 Concen: 82.05 ng
 RT: 10.57 min Scan# 786
 Delta R.T. -0.06 min
 Lab File: BF088051.D
 Acq: 15 Jun 2016 23:33

Instrument :
 BNA_F
 ClientSampleId :
 PB91213TB

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.9	0.0	0.0#
141	38.9	0.0	0.0#

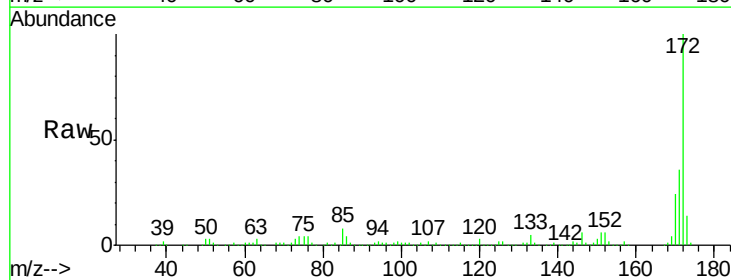


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

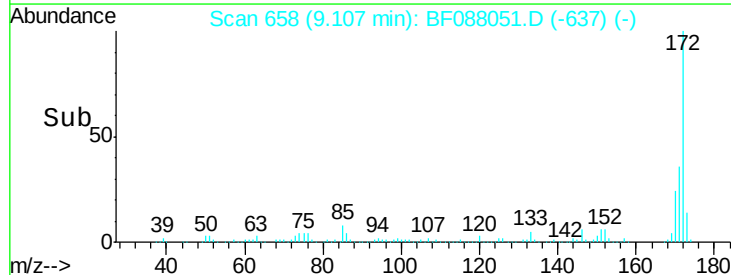
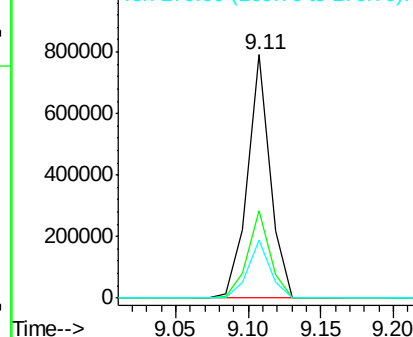


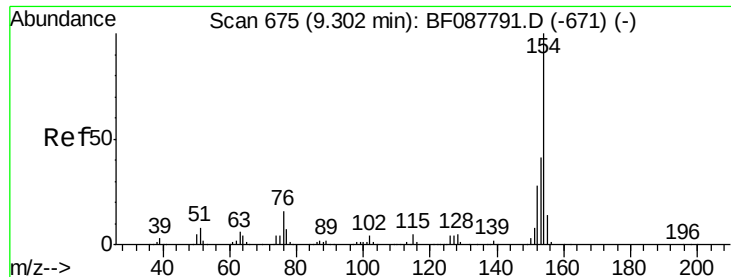
#44
 2-Fluorobiphenyl
 Concen: 69.45 ng
 RT: 9.11 min Scan# 658
 Delta R.T. -0.06 min
 Lab File: BF088051.D
 Acq: 15 Jun 2016 23:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.6	43.0
170	23.9	19.2	28.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: Below Cal

RT: 9.11 min Scan# 658

Delta R.T. -0.16 min

Lab File: BF088051.D

Acq: 15 Jun 2016 23:33

Instrument :

BNA_F

ClientSampleId :

PB91213TB

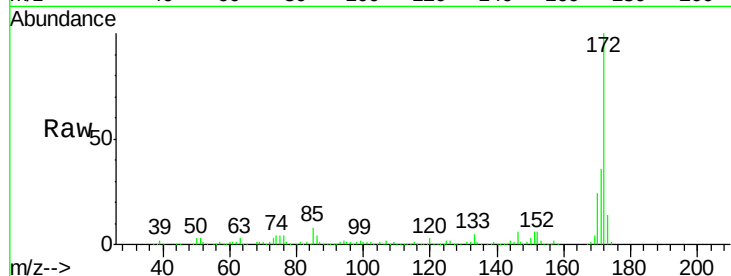
Tgt Ion:154 Resp: 1387

Ion Ratio Lower Upper

154 100

153 981.9 20.6 60.6#

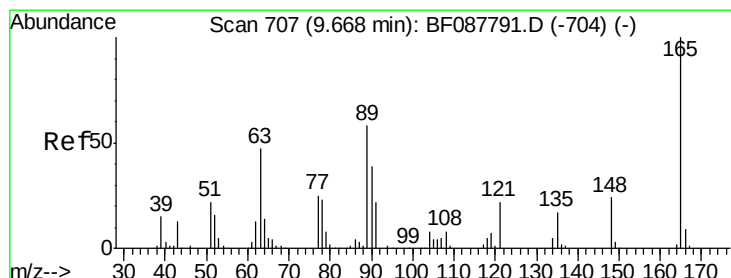
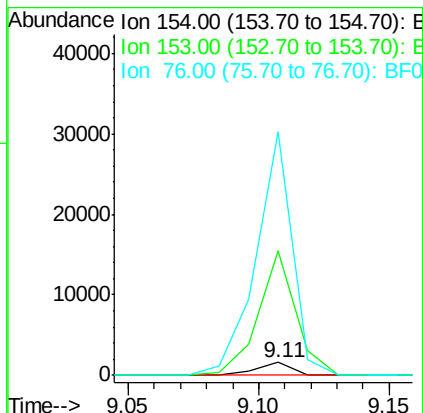
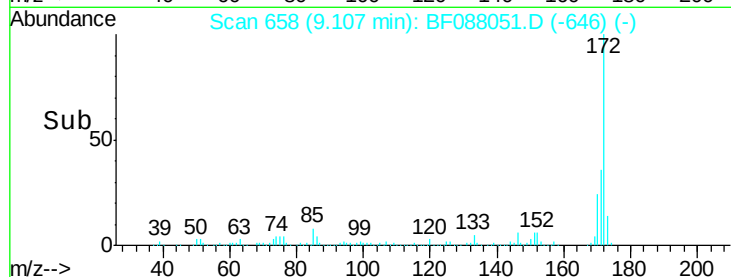
76 1928.4 0.0 35.1#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#50

2,6-Dinitrotoluene

Concen: 7.65 ng

RT: 9.78 min Scan# 717

Delta R.T. 0.16 min

Lab File: BF088051.D

Acq: 15 Jun 2016 23:33

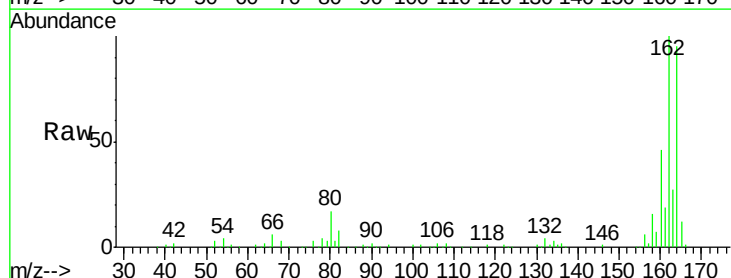
Tgt Ion:165 Resp: 24186

Ion Ratio Lower Upper

165 100

63 1.2 28.1 42.1#

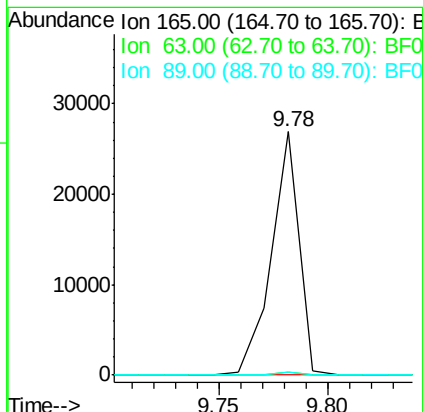
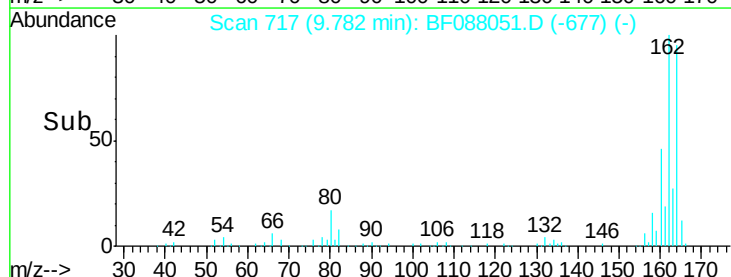
89 1.3 32.2 48.2#

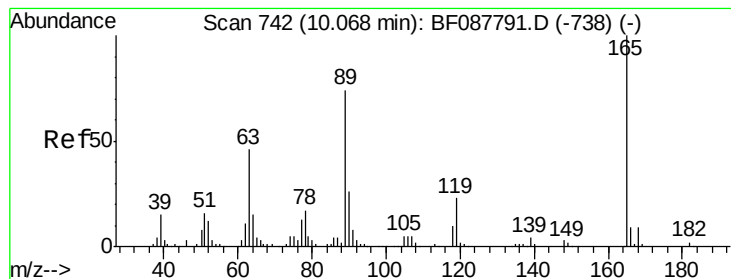


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#56

2,4-Dinitrotoluene

Concen: 5.95 ng

RT: 9.78 min Scan# 717

Delta R.T. -0.25 min

Lab File: BF088051.D

Acq: 15 Jun 2016 23:33

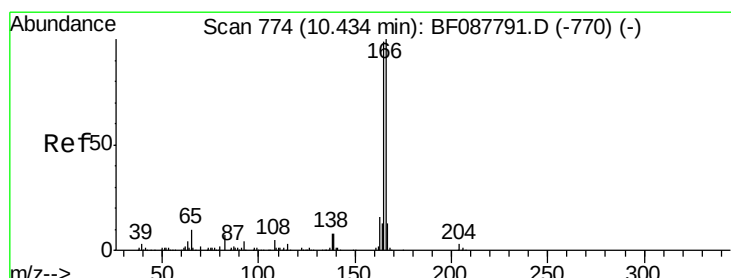
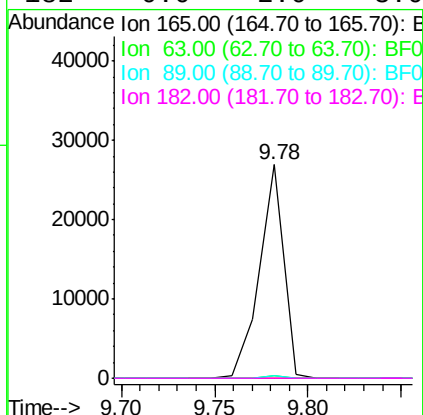
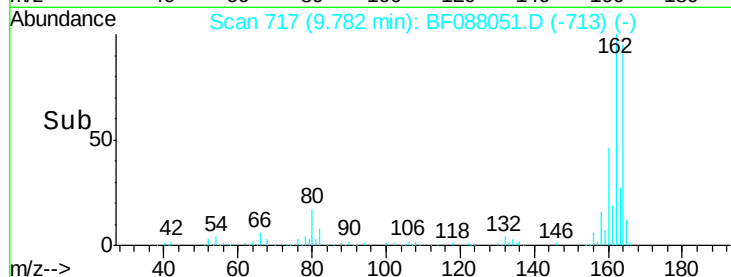
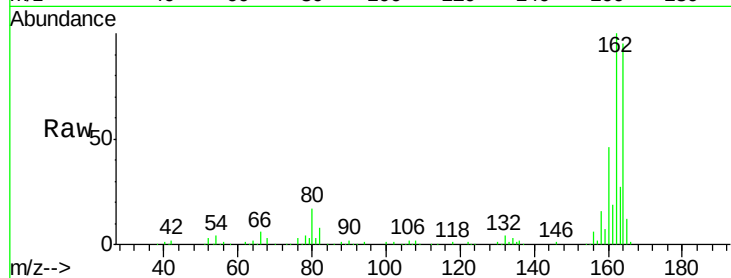
Instrument :

BNA_F

ClientSampleId :

PB91213TB

Tgt Ion:	165	Resp:	24187
Ion Ratio	Lower	Upper	
165	100		
63	1.2	22.0	33.0#
89	1.3	41.1	61.7#
182	0.0	2.0	3.0#



#57

Fluorene

Concen: Below Cal

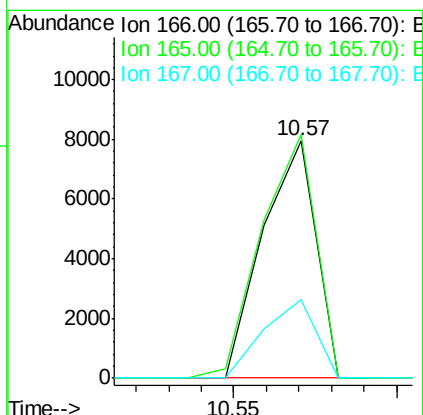
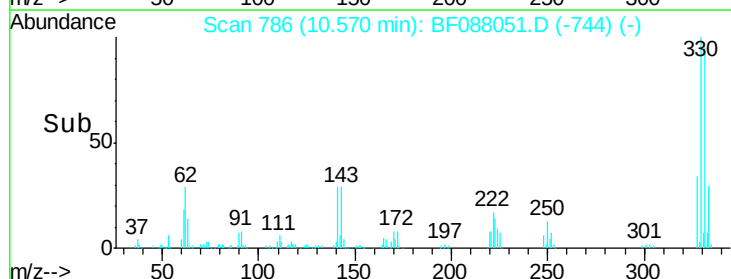
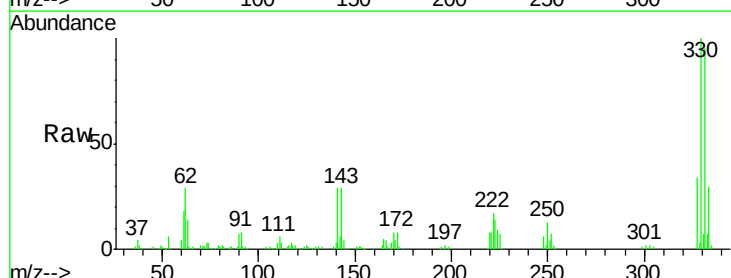
RT: 10.57 min Scan# 786

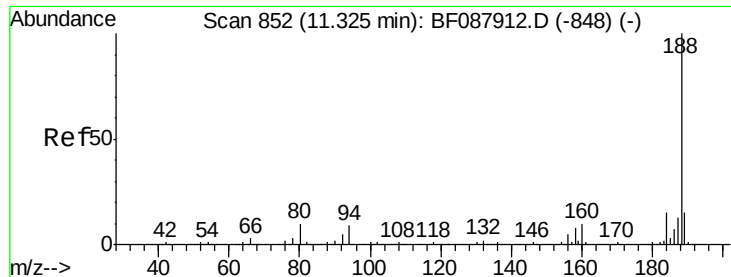
Delta R.T. 0.18 min

Lab File: BF088051.D

Acq: 15 Jun 2016 23:33

Tgt Ion:	166	Resp:	8973
Ion Ratio	Lower	Upper	
166	100		
165	102.5	77.8	116.8
167	33.0	11.2	16.8#

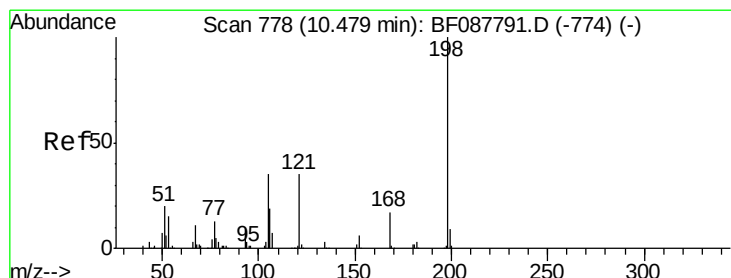
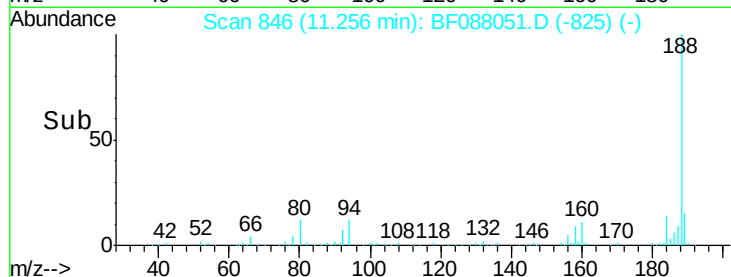
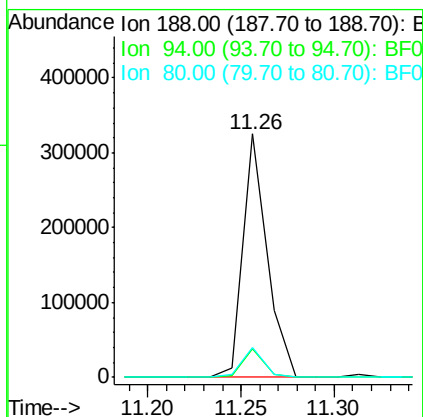
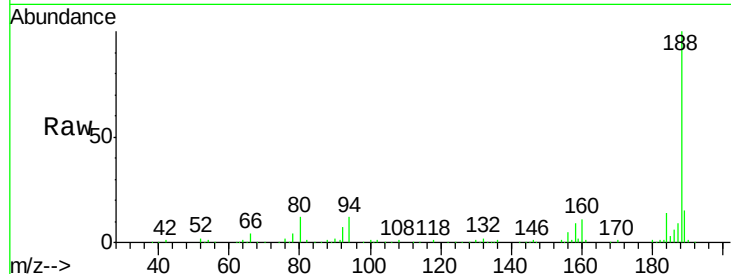




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.26 min Scan# 846
Delta R.T. -0.06 min
Lab File: BF088051.D
Acq: 15 Jun 2016 23:33

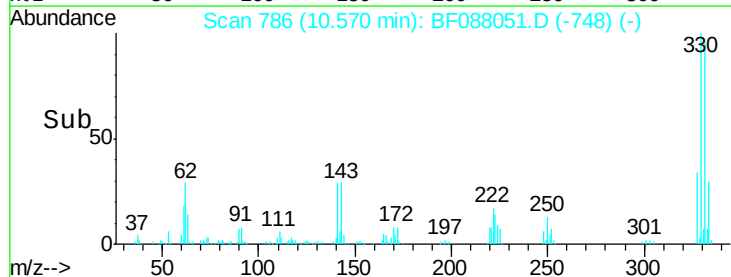
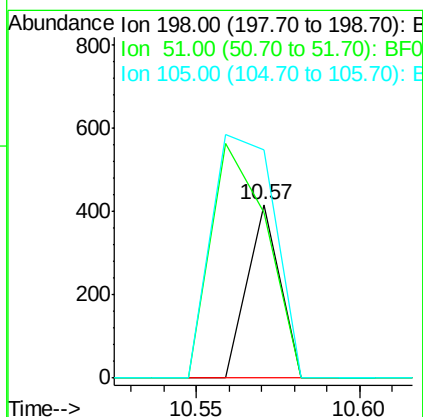
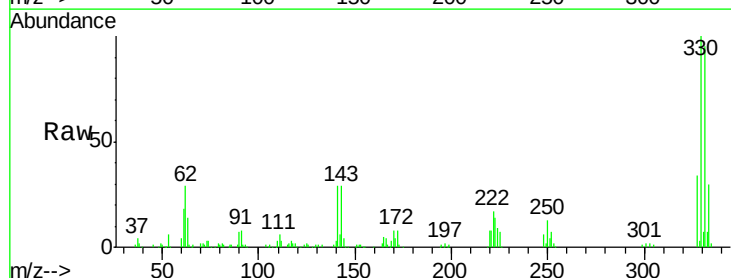
Instrument :
BNA_F
ClientSampleId :
PB91213TB

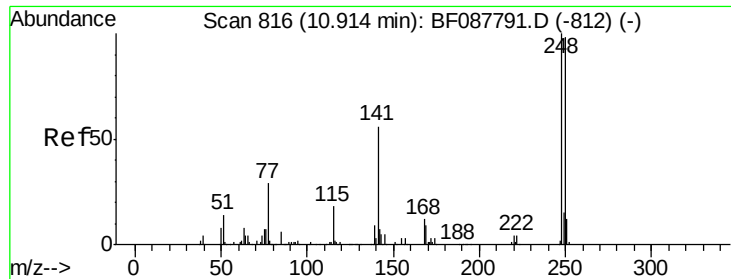
Tgt Ion:188 Resp: 293818
Ion Ratio Lower Upper
188 100
94 11.8 9.0 13.6
80 12.5 10.0 15.0



#64
4,6-Dinitro-2-methylphenol
Concen: 2.31 ng
RT: 10.57 min Scan# 786
Delta R.T. 0.14 min
Lab File: BF088051.D
Acq: 15 Jun 2016 23:33

Tgt Ion:198 Resp: 286
Ion Ratio Lower Upper
198 100
51 95.0 39.6 79.6#
105 131.7 36.6 76.6#

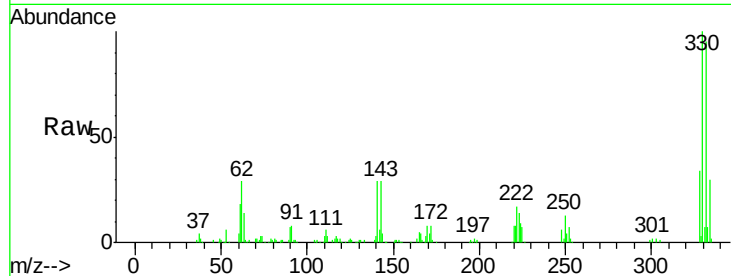




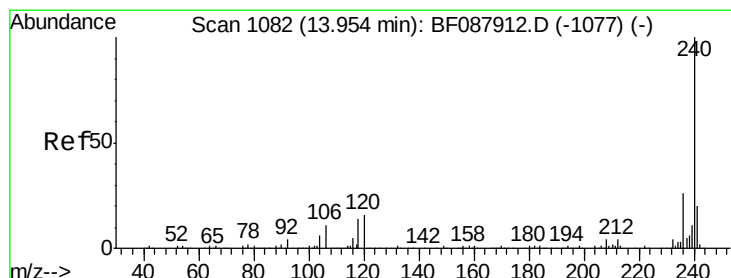
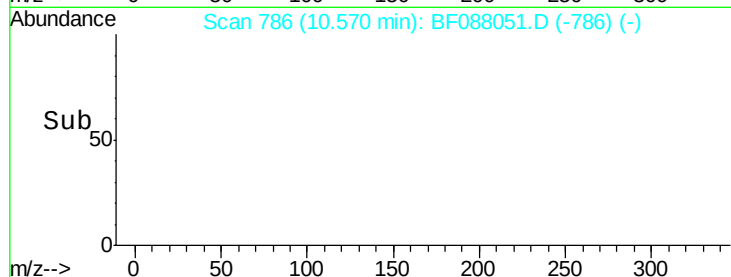
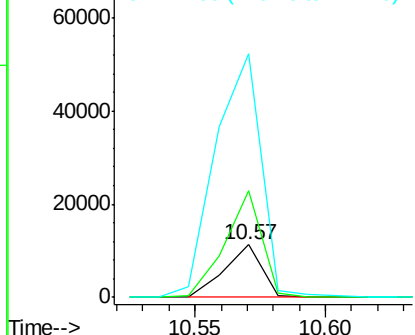
#66
 4-Bromophenyl-phenylether
 Concen: 3.54 ng
 RT: 10.57 min Scan# 786
 Delta R.T. -0.30 min
 Lab File: BF088051.D
 Acq: 15 Jun 2016 23:33

Instrument :
 BNA_F
 ClientSampleId :
 PB91213TB

Tgt Ion:248 Resp: 11163
 Ion Ratio Lower Upper
 248 100
 250 204.9 77.1 115.7#
 141 465.8 50.6 76.0#

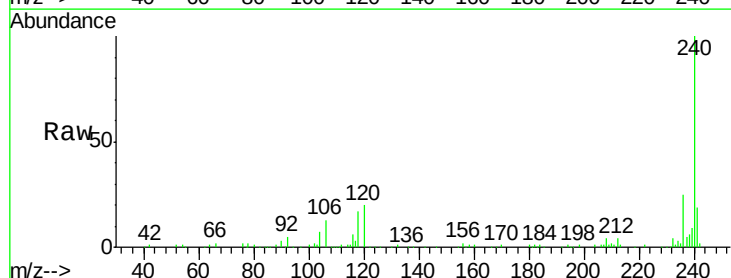


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

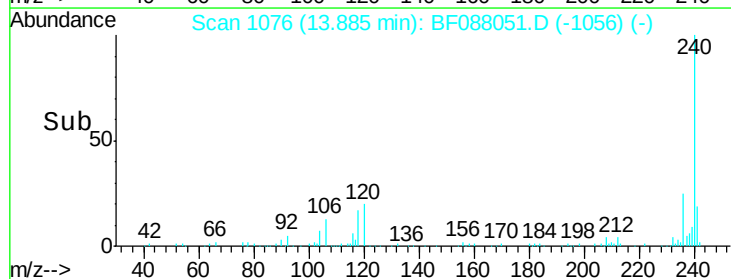
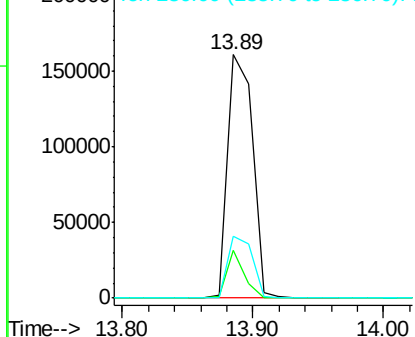


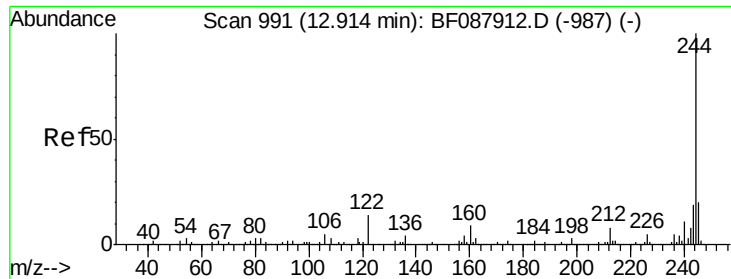
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.89 min Scan# 1076
 Delta R.T. -0.07 min
 Lab File: BF088051.D
 Acq: 15 Jun 2016 23:33

Tgt Ion:240 Resp: 212914
 Ion Ratio Lower Upper
 240 100
 120 19.6 6.8 10.2#
 236 25.3 20.2 30.2



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

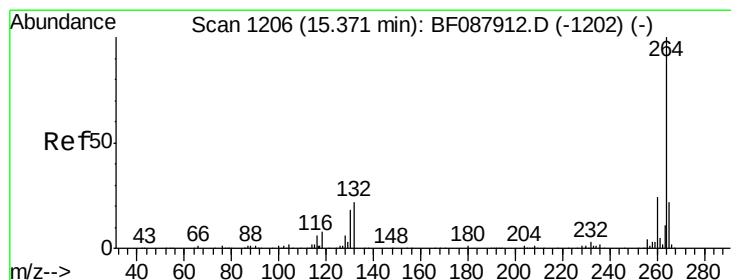
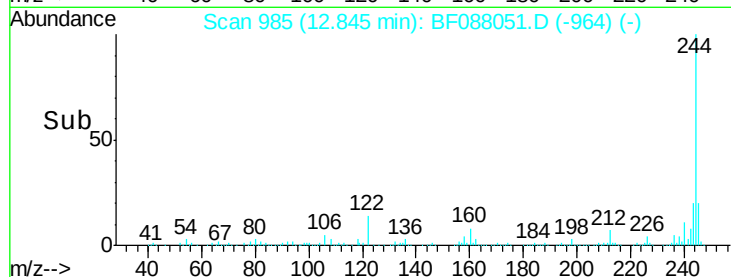
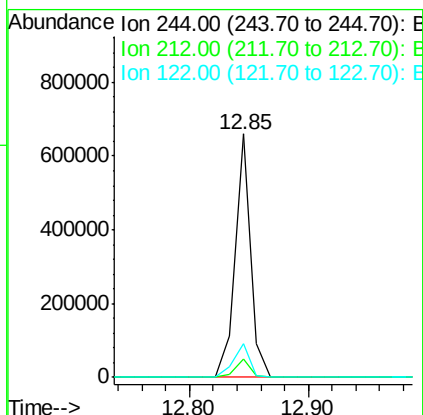
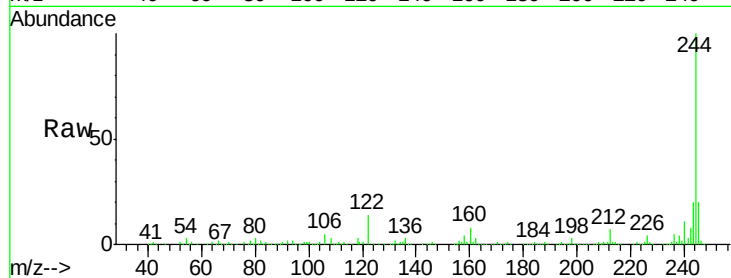




#78
 Terphenyl-d14
 Concen: 63.82 ng
 RT: 12.85 min Scan# 985
 Delta R.T. -0.06 min
 Lab File: BF088051.D
 Acq: 15 Jun 2016 23:33

Instrument :
 BNA_F
 ClientSampleId :
 PB91213TB

Tgt Ion:244 Resp: 597161
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.0 9.0
 122 13.8 11.2 16.8



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.29 min Scan# 1199
 Delta R.T. -0.07 min
 Lab File: BF088051.D
 Acq: 15 Jun 2016 23:33

Tgt Ion:264 Resp: 214324
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.2 28.8
 265 20.8 16.9 25.3

